## **BUREAU OF PUBLIC WATER SUPPLY**

# CALENDAR YEAR 2011 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

	Possumneck-Carmack Water Assoc Public Water Supply Name
	004-0008  List PWS ID #s for all Water Systems Covered by this CCR
The Fe confide must b	ederal Safe Drinking Water Act requires each <i>community</i> public water system to develop and distribute a consume ence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCF e mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.
Please	Answer the Following Questions Regarding the Consumer Confidence Report
	Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
	<ul> <li>☐ Advertisement in local paper</li> <li>☐ On water bills</li> <li>☐ Other</li> </ul>
	Date customers were informed://
	CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:
	Date Mailed/Distributed: / /
<b>1</b>	CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
	Name of Newspaper: The Star Herald
	Date Published: 06/13/13
	CCR was posted in public places. (Attach list of locations)
	Date Posted: / /
	CCR was posted on a publicly accessible internet site at the address: www
CERTI	<u>IFICATION</u>
I hereby the form consiste Departm	y certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in and manner identified above. I further certify that the information included in this CCR is true and correct and is ent with the water quality monitoring data provided to the public water system officials by the Mississippi Statement of Health, Bureau of Public Water Supply.
Ga: Name/:	il McDonald, Secretary Title (President, Mayor, Owner, etc.)
	Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

### 2013 JUN 17 PM 2: 56

2012 Annual Drinking Water Quality Report Possumneck-Carmack Water Association, Inc. PWS#: 0040008 June 2013

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Lower and Middle Wilcox Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Possumneck-Carmack Water Association have received moderate to higher susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Gail McDonald at 662-289-4389. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Monday of each month at 7:00 PM at the Carmack Community Center.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2012. In cases where monitoring wasn't required in 2012, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS										
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source	of Contamination	
Microbiological Contaminants										
1. Total Coliform		May	Positive	1 2	l NA			nce of coliform	Naturally present	

8. Arsenic	N	2011*	.8	No Range	ppb	T T	n/a		10 Erosion of natural deposits; runof	
									from orchards; runoff from glass and electronics production waste	
10. Barium	N	2011*	.024	.015024	ppm		2		Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
13. Chromium	N	2011*	1.6	No Range	ppb		100	11	Discharge from steel and pulp mills; erosion of natural deposits	
14. Copper	N	2009/11	* .4	0	ppm		1.3	AL=1	<ol> <li>Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives</li> </ol>	
17. Lead	N	2009/11	* 1	0	ppb		0	AL≃	<ul> <li>Corrosion of household plumbing systems, erosion of natural deposits</li> </ul>	
21. Selenium	N	2011*	2.8	No Range	ppb		50	!	50 Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines	
Disinfectio	n By-	Product	S							
81. HAA5	N	2011*	5	No Range	ppb	0		60	By-Product of drinking water disinfection.	
82. TTHM [Total trihalomethanes]	N	2011*	16.1	No Range	ppb	0		80	By-product of drinking water chlorination.	
Chlorine	N	20112	1	.5 – 1.5	mg/l	0	MDF	L = 4 Water additive used to control microbes		

<sup>\*</sup> Most recent sample. No sample required for 2012.
Microbiological Contaminants:

We routinely monitor for the presence of drinking water contaminants. We took three samples for coliform bacteria during May 2012. Two of those samples showed the presence of coliform bacteria. The standard is that not more than one sample per month may do so. The well and distribution system has been disinfected and additional samples do not show presence of coliform bacteria.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

#### \*\*\*\*\*April 1, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING\*\*\*\*\*

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 – December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601.576.7518.

The Possumneck-Carmack Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

<sup>(1)</sup> Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

### Statement

Date: June 13, 2013

2013 JUN 24 AM 9: 20

To: Possumneck-Carmack Water Assn., Inc. 7304 Attala Road 3122

Vaiden, Mississippi 39176

For publication of described notice, copy of which is attached.

Ad Space 3x13.75 Times 1 and making proof, \$212.25

Payment received from \_\_\_\_\_

(Clerk)

The Star-Herald 207 North Madison St. Kosciusko, MS 39090

#### PROOF OF PUBLICATION

#### STATE OF MISSISSIPPI COUNTY OF ATTALA

Personally came before me, the undersigned, a NOTARY PUBLIC in and for Attala County, Mississippi, the CLERK of The Star-Herald, a newspaper published in the City of Kosciusko, Attala County, in said state, who, being duly sworn deposes and says that The Star-Herald is a newspaper as defined and described in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amended Section 1858, of the Mississippi Code of 1942, and that the publication of a notice, of which the annexed is a copy, in the matter of 2012 Annual Report/PWS#0040008, has been published in said newspaper 1 time, to-wit:

On the 13th day of June, 2013

ID No 69007 Comm Expires March 3, 2015

(Clark)

SWORN TO AND SUBSCRIBED before me, this\_

, 2013.

(Notary Public)

day of June

## 2012 Annual Drinking Water Quality Report Possumneck-Carmack Water Association, Inc PWS# 0040008 June 2013

We're present to present to you this year's Annuat Qualry Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our creating goal of oppression you want a safe and dependable supply of directing weeter We want you to understand the efforts we make to confusely improve the water transmiss records and provided our water fractionals. We want you to ensuring the efforts we make to confusely improve the water transmiss records and provided our water fractionals. We want to provide the provided to ensuring the quality of your water. Our water source is from wells drawing from the Lower and Middle Water Aquiller.

understand the efforts we make to conclusion, improve the wastr textment ecosests and protect our wiser resources. We are committed to ensuring the quasity of your waster fources is tow weeks drawing from the Lower and Music Wisson. Applied where Applied was a provided to ensuring the quasity of your waster for the process of the provided waster and the provided w posss a hooth risk

In this take you will find many tenns and abbrevisions you might not be familiar with. To help you better understand has forms we've
provided the lockwing defections.

Action Level the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water eyelen follow

Maximum Continuated Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed a MCLs are set as close to the MCLCs as teacher using the best available treatment sectionality.

Mauritum Conferencent Level Gold (MCCG): The "Cost" (MCCG) is the level of a conference in criterion which the or expected risk to health. MCCG a slow for a morph of a MM.

Maximum Rosidual Disinfectant Lavel (MRDL) — The highest level of a disinfectant allowed at dinning weter. There is con-obtained of a districtant is recessary for control microbial contaminants.

Managem Residual Districtions to and Gots (MSDLG) — The level of a defishing water districtions below which there is no known risk of health. MITCLGs so not reflect the benefits of the use of desirectants to control intercobal contamenants.

Ports per milion (open) or Milityreans per Her (mg/t) - one part per milion corresponds to one minute in two years or a single penay in \$10,000

Parts per billion (ppp) or Micrograms per filer - one part per billion corresponds to one mercula in 2,000 years, or a single penny in \$10,000,000

				TEST RE	SULTS						
Contaminant	Violation YAN	Collected	Lovel Delected	Renge of Detects or # of Samples Exceeding MCUACL	Unit Measure- mant	MCL	G	MCL	Likely Source	of Contemination	
Microbiolog	rical C	ontamii	nants								
1. Total Cokform Bacteria	May		Positre	?	KA	٥		, , ,	sence of poliform bacteria in 6% of monthly eamples	5% of in the environme	
Inorganic (	Ontan	inants   7011*	7.	No flange	nob	Τ.	N/0		from orchard	itural deposits; ru s; runoti from gla es production ws	
10 Benum	N	2011	<b>0</b> ≥4	D15 - 024	ppris		2		2 Dracharge of discharge for erosion of na	Discharge of drilling wastes: discharge from metal infineries erosion of natural doposite	
13 Chrombon	N	2011	16	No Rango	000		100	10	mylis, acostor	mds, arosion of natural depos	
14 Copper	n	2009/11	1	0	ppm .	T	13	AL-1	systems, en deposits; les preservative	Corrosion of household plureb systems, erosion of natural deposits, leaching from wood preservatives	
17 Lead	N	2009/11*	1	0	ppb		O	AL-	aystems, arosion of natural doposits		
25 Salemum	٨	2011-	2.0	No Range	bès		50		metat retiner	om petroleum so les, erosion of ess; discharge fr	
Disinfection	n By-P	roducts									
81. HAAS	н	2011	Б	No Range	ppb	0		60	By-Product of 6 disinfection		
62 TTHM (Total (stationathones)	N	2011	16 1	No Range	pot	C		80 By-product of drinking water chlonnation.			
		20112	{	5-15	mo1			RL = 4 Water additive used to control microbes			

\*\* Manu revival compute \*\* My sample required for 2017
\*\* Manufacturing and Computation\*\*
\*\* Allow are visit and an experiment of a constraint of a constraint

We rowinely anondor for the presence of durking water contaminants. We look three earsples for colform bacteria during May 2012, Two of Book samples showed the presence of colform bacteria. The standard is that not more than one sample per mount may do so The well and distribution system has been distributed and additional samples do not show presence of colform bacteria.

If present, deviates levels of learn can cause assume a secretary assumption to not show presence of opitions backets, as a secretary of the cause assume a secretary and the cause assume that is problem, especially for preparativement and young children. Lead in defining water is primarily from makenals and composeds associated with service fines and home planning. Our Water Association is responsible for providing high quality disalong water, but cannot control be visedly of materials used in culturally composeds. When your water has been already for servicing or opening if you are consistent or preferred to lead expensively by privating your jobs, which is stated information on load in deviating for continuity or opening if you are concerned about final or your material or opening or opening if you was not consistent of the provided in the control of the control

As sources of unlaring water are swherd to potential contamination by substances that are naturally occurring or man made. These substances can be imposed, impigance or original charactes and is discative substances. All diminist water, including bottled vestor, may reasonably be expected to contain a least small securious of conteminations. The presence of contemination does not receive experience for the property of the contemination of the present of contemination does not receive experience for contemination does not receive experience that the property is better than these improvisions and the contemination and potential health effects can be obtained by calling the Emirocontental Protection Agency's Select Contemination with the contemination of the

Some people in the most understate to contaminants in dinking water than the general population (namuno compromised persons such as persons with cancer undergoing cremothetaps, persons who have undergoine organ transplants, people with HIM/HIDD or other immuno systems carpositis, so time distulty, and eithers can be particularly at link from Indications. These people should leak should be observed that will be system carpositis count ordistry, and either some be practicated at 1th Air Indications. These people should leak should be obtained with the from that inhalts care providers. EAN/CIDD quickless on approximate to leasten the resk of infection by cryptoligorishme and other microbiological confirmations are unstanded from this Selb chinking Water Indicate. 4 1604 476-479.

In accordance with the fladounchies Rise, at community public with expelse and to provide to sample contactly for machinicises exploration and the fladounchies Rise, at community public within expelse and to provide to sample contactly for machinicises exploration. Justice 2007 Too policy water supply compliance and provided to the Resource of the Resource and the Resource of the Resource and Resource

The Postumneck Carneck Water Association works around the clock to provide top queltry water to every tea. We sak that all our custom-help as project our voter sources which are the reart of our con-